Ashley-Edison (UK)

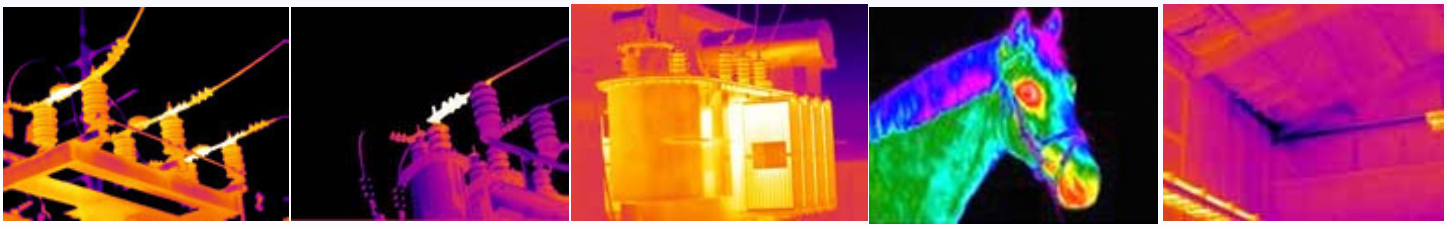
IR THERMAL CAMERA MODEL: M2

A new milestone in the IR thermal imaging industry is set by Model M2, the first pocket IR camera in the world, fully integrated design without compromise. This easy-to-use thermal camera comes in affordable price and high reliability. Suitable for use in electrical, mechanical inspections, building inspections and troubleshooting of water leakage, breakdown in insulation of furnaces and leakage in air-conditioning systems. Weighing just 265 grams, it is the world's lightest thermal camera. Designed with the professionals in mind, this tiny camera is the ideal tool for predictive and preventive maintenance. This M2 displays crisp, clear images and comes complete with data analysis and report generation software. Images are saved in radiometric file, temperature readable. All you ever need in a thermal camera comes in this affordable package. Thermal images in the palm of your hand.

LOWEST COST UNCOOLED TECHNOLOGY

Features and Benefits:

- **Unparalleled design, low cost tool with powerful features for the professionals**
- **Ultra-compact, lightweight & fully integrated**
- **Ease of mobility and user-friendly operation**
- **Precise, non- contact temperature measurement**
- **Ultra large capacity image storage**
- **Crisp, clear thermal images**
- **Plug-and-play connectivity**
- **Low power dissipation and long durability**
- **Robust, easy-to-use post-processing software**
- **Affordable price & high reliability**
- **40mm telephoto lens (optional)**



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Technical Specifications

Performance	
Detector Type	Focal plane array (FPA) 120 x 120 pixels uncooled microlometer
Spectral range	8 - 14µm
Field of View	18.9º x 18.9º
Thermal Sensitivity	≤120mk at 30º C
Image Frequency	50Hz PAL / NTSC, non-interlaced
Electronic Zoom	2x
Image Presentation	
External Display	2.2" x 1.2" TFT High resolution colour LCD
Display Colour	256 level, 5 palettes
Video Output	PAL/NSTC, composite video
Measurement	
Temperature range	-20ºC to + 250º C
Accuracy	±2ºC or ±2% of reading
Measurement Modes	Area, isotherm, line profile, auto hot spot, auto alarm
Emissivity Correction	Variable from 0.01 to 1.00 (in 0.01 increment)
Measurement Features	Automatic correction based on user input for reflected ambient temperature, distance, relative humidity, atmospheric transmission and optics
Image Storage	
Type	Built-in Flash Memory
Capacity	Up to 100 images
File Format	IRI (An individual file consists of infrared image, and voice annotation, if any)
Voice Annotation	up to 30 seconds per image
System Status Indication	
LCD Display	Shows status of battery, indication of power
Battery Alarm	Automatic alarm for low battery
Laser Locator	
Classification Type	Class 2 semiconductor laser

Battery System	
Type	Li-on battery, rechargeable, field replaceable
Operation time	More than 2 hours continuous operation
Charging system	In camera via USB interface from AC adapter (96-250VAC) or in stand-alone battery charger
Power Dissipation	<3W
Environmental Specification	
Operating Temperature	-20ºC to + 60º C
Storage Temperature	-20ºC to + 60º C
Humidity	Operating and storing 10% to 95%, non-condensing
Encapsulation	IP54
Shock	Operational: 25G, IEC 68-2-29
Vibration	Operational: 2G, IEC 68-2-6
Interfaces	
USB1:1	Image, measurement, voice and digital video transfer to PC
Physical Characteristics	
Size	120mm x 60mm x 30mm (standard model)
Weight	265grams (including battery)
Standard Accessories	• M2 Thermal Camera with visual camera • IR lens • Two rechargeable Li-ion batteries • Battery charger • USB extension cable • Video cable • Earphone • Post-analysis software • User manual • Leather pouch • Soft carry bag • Hard carrying case

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